

ABSTRACT OF THE DISCLOSURE

An antenna of a four-band printed circuit board is disclosed, which uses metal electrode plates on A, B sides and a substrate interlayer formed of glass fiber dielectric insulator. The A-side electrode plate is grounded to

5 a reflective plane to form a U-like pattern, wherein a left metal sheet is symmetric to a right metal sheet and the two sheets respectively have three gaps so as to form an intermittent metal plane. The middle of the U-like pattern is implemented with four metal ring electrodes and one electrode is circuit-shorted to the B-side electrode plate for increasing antenna

10 sensibility and reducing antenna size. In addition, in this case, one antenna can be shared by four operating bands to receive and transmit via switching, so the manufacturing cost is low and the prior art disadvantage of only receiving and transmitting single- or double-band signal in a typical linear antenna is overcome.